

AMENDMENTS TO THE CLAIMS: This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A method for integrating building services comprising the acts of:

(a) connecting at least one server to a first external communications interface via a first interconnection channel to form a first integrated building services system;

(b) connecting a plurality of integrated building services to said first interconnection channel, wherein said first integrated building services system and said plurality of integrated building services form a first building element, and further wherein said plurality of integrated building services are two or more of at least one service device, at least one client device, at least one client application, and at least one MIS application;

(c) developing an adapter element for each of said at least one service device, each of said at least one client device, and each of said at least one MIS application, wherein each said adapter element is an interface between said first integrated building services system and each of said at least one service device, each of said at least one client device, and each of said at least one MIS application;

(d) loading each of said adapter elements onto said at least one server, wherein said first interconnection channel and each of said adapter elements encapsulate said plurality of integrated building services with a standard interconnection behaviors, allowing an underlying implementation of any of said plurality of integrated building services to be changed without affecting the behavior of said first integrated building services system;

(e) for said at least one client application,

(e1) developing said first client application to be compatible with said first integrated building services system; and

(e2) connecting said first client application to said first interconnection channel;

(ef) connecting said first external communications interface to a public internet via a first communications channel; and

(~~eg~~) accessing a web site associated with said first integrated building services system by a user to gain access by said user to utilize any of said plurality of integrated building services of said first building element.

Claim 2. (Cancelled)

Claim 3. (Previously Presented) A method for integrating building services according to claim 1 wherein said at least one service device is selected from the group consisting of vending machines, access security devices, printers, copiers, fax machines, health and exercise equipment, bio-metric monitors, and point of sale devices.

Claim 4. (Canceled)

Claim 5. (Canceled)

Claim 6. (Previously Presented) A method for integrating building services according to claim 1 further comprising the acts of:

interpreting an access ID from a signal received in a first said adapter element in said at least one server, wherein said signal is received via said first interconnection channel from

an access device reader associated with said at least one
8 service device in response to interaction with an access device;
searching a database within said at least one server for a
10 matching access ID;
when a match is found, sending an authorization signal to
12 said at least one service device; and
when a match is not found, sending a deny signal to said at
14 least one service device.

Claim 7. (Cancelled)

Claim 8. (Previously Presented) A method for integrating
2 building services according to claim 1 wherein said at least one
client device is selected from the group consisting of personal
4 computers, personal digital assistants, office telephones, and
cellular telephones.

Claim 9. (Canceled)

Claim 10. (Cancelled)

Claim 11. (Cancelled)

Claim 12. (Previously Presented) A method for integrating
2 building services according to claim 1 wherein said at least one
client application is selected from the group consisting of
4 custom travel arrangement services, meeting and resource
scheduling, copy center, computer based training, health
6 monitoring services, member Intranet, view account, and
automatic personal adaptable environment controls.

Claim 13. (Cancelled)

Claim 14. (Currently Amended) A method for integrating building
services according to claim ~~13~~1 further comprising the acts of:
~~(b4)~~repeating acts (e), (b1e1), ~~through and~~ (b3e2) for at
least one next client application.

Claim 15. (Cancelled)

Claim 16. (Previously Presented) A method for integrating
building services according to claim 1 wherein said at least one
MIS application is selected from the group consisting of
integrated enterprise resource planning and management
information, accounting, general ledger, receivables, payables,
asset management, budget, purchasing, billing, payroll,
inventory, human resources, economic monitoring, decision
support, order management, and inventory.

Claim 17. (Canceled)

Claim 18. (Canceled)

Claim 19. (Previously Presented) A method for integrating
building services according to claim 1 further comprising the
acts of:

(c) connecting another plurality of integrated building
services to a second interconnection channel having a second
external communications interface to form a second integrated
building services system within a second building element; and

(d) connecting said first building element to said second
building element via a communications network connected between
said first external communications interface and said second
external communications interface, wherein said first integrated
building services system is compatible with said second
integrated building services system.

Claim 20. (Previously Presented) A method for integrating
2 building services according to claim 19 wherein said another
plurality of integrated building services is selected from the
4 group consisting of service devices, client devices, client
applications, and MIS applications.

Claim 21. (Currently Amended) An apparatus for integrated
2 building services, said apparatus comprising:

a first building element, said first building element
4 comprising;

a first integrated building services system, said
6 first integrated building services system comprising;

at least one server;

8 a first external communications interface; and

a first interconnection channel connecting said

10 at least one server to said first external

communications interface;

12 a plurality of integrated building services connected to
said first integrated building services system, wherein said
14 plurality of integrated building services are two or more of at
least one service device, at least one client device, ~~at least~~
16 ~~one client application, and at least one MIS application, and at~~
least one client application, wherein said at least one client
18 application is developed to be compatible with said first
integrated building services system and is connected to said
20 first interconnection channel;

an adapter element for each of said at least one service
22 device, each of said at least one client device, and each of
said at least one MIS application, wherein each said adapter
24 element is loaded onto said at least one server, and each said
adapter element is an interface between said first integrated
26 building services system and each of said at least one service

device, each of said at least one client device, and each of
28 said at least one MIS application, and further wherein said
first interconnection channel and each of said adapter elements
30 encapsulate said plurality of integrated building services with
a standard interconnection behaviors, allowing an underlying
32 implementation of any of said plurality of integrated building
services to be changed without affecting the behavior of said
34 first integrated building services system;

a first communications channel connecting said first
36 external communications interface to a public internet; and

a web site associated with said first integrated building
38 services system which is accessed by a user in order to utilize
any of said plurality of integrated building services of said
40 first building element.

Claim 22. (Cancelled)

Claim 23. (Previously Presented) A method for integrated
2 building services according to claim 21 wherein said at least
one service device is selected from the group consisting of
4 vending machines, access security devices, printers, copiers,
fax machines, health and exercise equipment, bio-metric
6 monitors, and point of sale devices.

Claim 24. (Cancelled)

Claim 25. (Previously Presented) An apparatus for integrated
2 building services according to claim 21 further comprising:

an access device reader associated with said at least one
4 service device;

an access device operable together with said access device
6 reader, wherein when operable together said access device causes
a signal to be sent from said access device reader over said

8 first interconnection channel to a first said adapter element,
and further wherein said first said adapter element interprets
10 an access ID from said signal; and
a database within said server, wherein said first said
12 adapter element searches said database for a matching access ID
and when a match is found, said first said adapter element sends
14 an authorization signal to said at least one service device, and
when a match is not found said first said adapter element sends
16 a deny signal to said at least one service device.

Claim 26. (Cancelled)

Claim 27. (Cancelled)

Claim 28. (Previously Presented) A method for integrated
2 building services according to claim 21 wherein said at least
one client device is selected from the group consisting of
4 personal computers, personal digital assistants, office
telephones, and cellular telephones.

Claim 29. (Cancelled)

Claim 30. (Cancelled)

Claim 31. (Cancelled)

Claim 32. (Previously Presented) A method for integrated
2 building services according to claim 21 wherein said at least
one client application is selected from the group consisting of
4 custom travel arrangement services, meeting and resource
scheduling, computer based training, health monitoring services,
6 member Intranet, view account, and automatic personal adaptable
environment controls.

Claim 33. (Canceled)

Claim 34. (Cancelled)

Claim 35. (Cancelled)

Claim 36. (Previously Presented) A method for integrated
building services according to claim 21 wherein said at least
one MIS application is selected from the group consisting of
integrated enterprise resource planning and management
information, accounting, general ledger, receivables, payables,
asset management, budget, purchasing, billing, payroll,
inventory, human resources, economic monitoring, decision
support, order management, and inventory.

Claim 37. (Cancelled)

Claim 38. (Cancelled)

Claim 39. (Previously Presented) An apparatus for integrated
building services according to claim 21 further comprising:
a second building element, said second building element
comprising;
a second integrated building services system, said
second integrated building services system comprising;
a second external communications interface; and
a second interconnection channel connected to
said second external communications interface; and
another plurality of integrated building services
connected to said second integrated building services
system; and

a communications network connected between said first
14 external communications interface and said second external
communications interface, wherein said first integrated building
16 services system is compatible with said second integrated
building services system.

Claim 40. (Previously Presented) An apparatus for integrated
2 building services according to claim 39 wherein said another
plurality of integrated building services is selected from the
4 group consisting of service devices, client devices, client
applications, and MIS applications.